



SCIENCE EDUCATION DOCTORAL STUDIES C.A.D.R.E. MODEL*

Ed.D. – Ph.D. in Teaching and Learning
Seminar: Research Literature in Science Education IV
Secondary Education 6404
Reference Number 13112, Section G01
2 credits x 4 semesters = 8 total semester hours
Meets 2 hours per week for 15 weeks
64 University Center
Fall Semester 2009
Tuesdays 5:30 – 7:30 p.m.

Prerequisite: Admission to CISTL CADRE-II Program in the College of Education at the University of Missouri-St. Louis.

Provides graduate student exposure to the seminar process. Faculty and students give oral presentations on current pedagogical issues and research. Summary, discussion, oral and written critical review of the selected topics will be expected.

Seminar Course Requirements

Requirements include reading assigned research papers, reviews and think pieces, and writing brief summaries of each. A written and oral review and critique of teaching and learning theory as it applies to science education and particularly to your area of research interests. Students will be expected to keep a notebook (journal) of presentations, class discussions and findings.

Performance Assessment

Evaluation will be based on compilation of journal reports, written and oral critiques, class participation, generating and initiating questions, interaction and cooperation with cadre peers, and attendance.

Percentage of Assessment Criteria:

Major Education Theory Review, Critique and Presentation	35
Class Participation (Cooperation, Interaction, Comments, Questions and Oral Reflection)	30
Completeness and Comprehensiveness of Readings, Presentations Notes and Class Journal	20
Attendance	<u>15</u>
	100

*C.A.D.R.E. – A Partnership to Enhance Science Literacy and Expertise through Graduate Studies, Research and Exemplary Practice